

Academic

Industry

Actuators

Bell Laboratories
W. G. Pfann, R. N. Thurston,
C. S. Smith, Art Zias, W. P. Mason

CalTech
R. Feynman,
"...Plenty of Room at the Bottom"

Stanford University
J. Angell & J. Meindl

U. C. Berkeley
R. Muller, R. White

M.I.T.
S. Senturia

Case-Western Reserve
W. Ko

University of Wisconsin
H. Guckel

University of Michigan
K. D. Wise

IBM
San Jose, CA

Kulite
A. D. Kurtz

Microsystems
J. Sanchez, W. Wright

Honeywell
K. Namura

G.E.
Art Zias

Westinghouse
H. Nathanson &
R. Wickstrom

Endevco
B. Wilner

Fairchild

IC Transducers
D. Lyman

National Semiconductor
Art Zias

Keller
H. Keller

Cognition
F. Perrino

Rosemount

GM Delco

T. I.
L. Hornbeck

Motorola
J. Gragg

Case-Western Reserve
W. Ko

Transensory Devices
J. Knutti, H. Allen, K. Petersen

Microsensor Technology
S. Terry, J. H. Jerman, S. Saadat

NovaSensor
Petersen, Barth, Bryzek, Mallon

IC Sensors
Lyman & Bryzek

SenSym
D. Dauenhauer & J. Bryzek

CapTorr
Art Zias

Burr-Brown

1954 - 1960
DISCOVERY

1960 - 1970
COMMERCIALIZATION

1970 - 1980
COST REDUCTION &
APPLICATION EXPANSION

1980 - 1990
MICROMACHINING